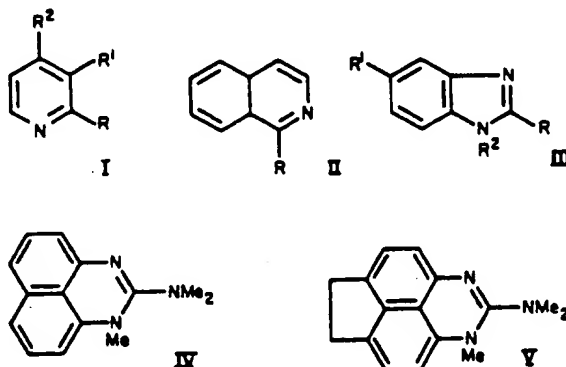


153704b Convenient synthesis of dialkylamino derivatives of N-heteroaromatic compounds. Pozharskii, A. F.; Zvezdina, E. A.; Sokolov, V. I.; Kashparov, I. S. (Rostov-on-Don State Univ., Rostov-on-Don, USSR). *Chem. Ind. (London)* 1972, (6), 256 (Eng). 2-Aminopyridine was treated with  $\text{NaNH}_2$  and



the resulting anion treated with MeI to give 55% 2-(dimethyl amino)pyridine (I,  $\text{R} = \text{Me}_2\text{N}$ ,  $\text{R}^1 = \text{R}^2 = \text{H}$ ). I ( $\text{R} = \text{Et}_2\text{N}$ ,  $\text{R}^1 = \text{R}^2 = \text{H}$ ;  $\text{R} = \text{R}^2 = \text{H}$ ,  $\text{R}^1 = \text{Me}_2\text{N}$ ;  $\text{R} = \text{R}^1 = \text{H}$ ,  $\text{R}^2 = \text{Me}_2\text{N}$ ;  $\text{R} = \text{R}^1 = \text{H}$ ,  $\text{R}^2 = \text{Et}_2\text{N}$ ), isoquinolines (II,  $\text{R} = \text{Me}_2\text{N}$ ,  $\text{Et}_2\text{N}$ ,  $\text{Pr}_2\text{N}$ ), benzimidazoles (III,  $\text{R} = \text{Me}_2\text{N}$ ,  $\text{R}^1 = \text{H}$ ,  $\text{R}^2 = \text{Me}$ ;  $\text{R} = \text{Et}_2\text{N}$ ,  $\text{R}^1 = \text{H}$ ,  $\text{R}^2 = \text{Et}$ ;  $\text{R} = \text{Pr}_2\text{N}$ ,  $\text{R}^1 = \text{H}$ ,  $\text{R}^2 = \text{Et}$ ;  $\text{R} = \text{Bu}_2\text{N}$ ,  $\text{R}^1 = \text{H}$ ,  $\text{R}^2 = \text{Et}$ ;  $\text{R} = \text{H}$ ,  $\text{R}^1 = \text{Me}_2\text{N}$ ,  $\text{R}^2 = \text{Me}$ ), the perimidine (IV), and the cyclopenta[g,h]-perimidine (V) were prepd. (22-90%) by treating the aryl amine with Na or NaH or by treating the aryl azide with Na to give the dianion, which was treated with MeI, EtBr, PrI, or BuBr.

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